DEGEN®

De102

OPERATING INSTRUCTIONS

DE102

PLL AM - FM STEREO RECEIVER

OPERATING INSTRUCTIONS

AM / FM STEREO
MANUAL TUNING /QUICK TUNING / PRESETTING
30 MEMORY PRESETS
BASS / STEREO / MONO SELECTABLE
TEMPERATURE INDICATOR
AUTO CUT OFF WITH LOWER POWER
WEEKDAY INDICATOR
BATTERYINDICATOR
STYLISH DESIGN
24H / 12H SELECTABLE
DUAL CLOCK
1 HOUR AUTO POWER OFF

INTRODUCTION

Thank you for purchasing DE102, DEGEN PLL AM/FM Stereo Receiver! It will give you many hours of reliable service and listening pleasure.
Before operating the receiver, please read this manual carefully and retain it for future reference.

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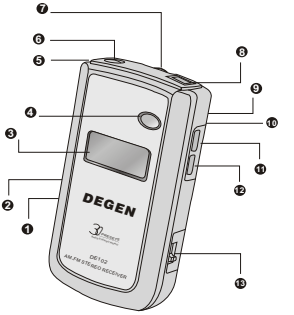
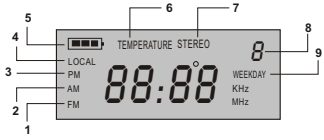
LOCATION OF CONTROLS



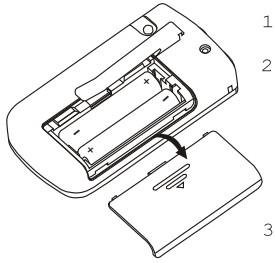
❶ Battery Compartment (Back Side)
❷ Reset (Inside the Battery Compartment)
❸ LCD Display
❹ Power / Band
❺ Carrying Strap
❻ Earphone Jack
❼ Volume
❽ Memory / Week / Temperature
❾ Store / Time
❿ Buckle
⓫ Scan / Hour
⓬ Scan / Minute
⓭ Mono/ Stereo / Bass

LCD INDENTIFICATION



1	FM Band
2	AM Band /AM
3	PM
4	Local Time
5	Battery Indicator
6	Temperature Indicator
7	Stereo
8	Preset Number / Week day
9	Week day Indicator

BATTERY OPERATION



1 Slide the battery cover in the direction of the arrow.

2 Insert two AAA batteries according to the marking inside the compartment.

3 Slide back the battery cover, make sure that it snap in place.

- Do not mix different types together (Alkaline, Carbon-Zinc, Nickel Cadmium etc.), or old batteries with new ones.
- When the unit is not being used for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion.
- If battery leakage occurs, wipe the battery compartment with a soft cloth before inserting the new ones.

BATTERY INDICATOR

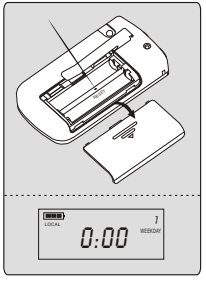
The battery charge is shown at 4 levels in the display.

- When the batteries become weak, battery indicator flashes.
- If batteries get too weak for proper operation, the unit will automatically shut off with special integrated circus. Replace the batteries immediately to prevent memories losing after the power automatically turns off.

Turn off the unit and then replace the batteries with fresh ones within 1 hour.

RESET

If the unit operates erratically, reset the unit by press RESET ❷ inside the battery compartment to resume normal operation. Note that reset will erase all of the memories including clock setting.



1 Withdraw the batteries, press RESET ❷ inside the compartment for above 0.5 second.

2 Install the batteries, clock flashes and reset to *0:00*.

TEMPERATURE INDICATOR

Press MEMO❸ when the unit is off, temperature indicates in the display for 5s.

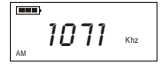
POWER / BAND

1. FM

Press POWER / BAND❹ to turn on the unit, the FM station you stoped listen last operation is heard.

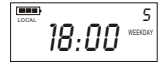
2. AM

Press POWER / BAND❹ in FM mode, unit turns into AM mode, the AM station you stoped listen last operation is heard.



3. Clock Mode

Press POWER / BAND❹ in AM mode, unit turns off into Clock mode, weekday indicates in the display.



Turn off the unit into Clock Mode if you do not want to listen to the broadcast. It hardly consumes any power in Clock Mode.

TUNING IN TO A STATION

3 Methods

1. Manual Tuning

Press SCAN button(+❶ /-❷) to tune into a clear reception.
FM Step: 0.1MHz AM Step: 9KHz

- Headphones cord functions as antenna for the unit, plug the headphone connector into earphone jack before tuning, or you cannot tune in to any stations.
- Manual tuning is more suitable for weak signal broadcast. When the receiving FM Stereo station is strong enough (and sound quality set to STEREO or BASS), Stereo indicates in the display.

2. Quick Tuning

Keep SCAN button (+❶ / -❷) pressed until frequency indicator changes, unit starts to tune in to the stations automatically. When a station is tuned in, scanning stops and the tuned station is heard.

- If there is a station you wish to skip during scanning, press and hold SCAN button(+ ❶ or- ❷) to skip this station.
- Press SCAN (+ ❶ or- ❷) button while quick tuning, scanning will stop immediately.

- Quick Tuning is more suitable for strong signal broadcast, it may not stop if broadcast signals are weak.
- If tuning become slowly in a frequency range, try manual tuning to see if there are some weak stations.

3. Listening to Preset Stations

There are 30 memories, 20 assigned to FM with preset number 0...19 and 10 assigned to AM with 0...9. Remember all the preset station numbers for the convenience of later listening.
(Refer to page 9 for information on presetting stations.)

1 Press POWER / BAND❷ to select the desired band.

2 Press MEMO❸ to tune in to the preset station of last operation. The frequency and preset number shows in the display.

3 Repress MEMO❸ to tune in to the next preset station.

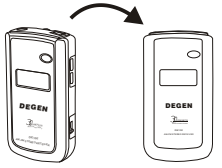
USING ANTENNA

FM Reception

Headphone cord functions as FM antenna, keep it extended to find the position which gives the best reception.

AM Reception

Magnetic antenna inside the unit functions as AM antenna, it is strongly effected by the reception direction.
When listening to AM broadcast, reorient the unit to find the position which gives the best reception.



SOUND QUALITY SELECTION

MONO/ ST/ BASS

Set sound quality selection ⓭ to different position according to the receiving broadcast.

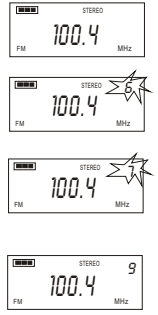
MONO: weak signal broadcast, voice program, mono broadcast.
STEREO: strong signal broadcast, music, FM Stereo broadcast.
BASS: strong music broadcast, bass stereo.

- When listening to a stereo broadcast, normally set MONO/ST/BASS ⓭ to STEREO.
- If you are listening to the stereo music and prefer to a bass effect, set the switch to BASS.
- If the stereo reception is too weak or noisy, or you are listening to voice program, set the switch to MONO.

PRESETTING STATIONS

You can preset up to 20 stations under the preset number (0-19) on FM and 10 stations under the preset number (0-9) on AM:

FM: 0-19 + AM: 0-9 = 30 Presets



1. Tune in to a desired station with manual tuning or quick tuning .
2. Press STORE /TIME ❾ into memory mode, preset number flashes in the display.
3. Press MEMO ❽ to select a proper preset number, preset number increases cyclically pressing MEMO ❽.
4. Press STORE /TIME ❾ to memorize the station. The corresponding number will indicate in the display.

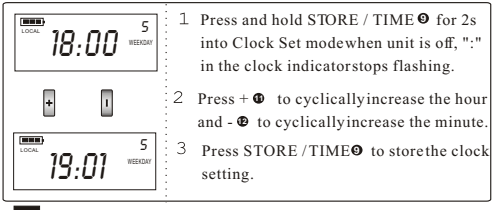
- If you do not have any operation in each step for 5s, memory mode will automatically released and the station is not preset into the unit.
- If a station is already stored, the new station with the same preset number replaces the old one.

1 Hour Power Auto off

After listening for 1 hour, the unit automatically turns off to avoid power wasting. If you want to continue listening, turn on the unit.

CLOCK SET

1. Adjust the Clock



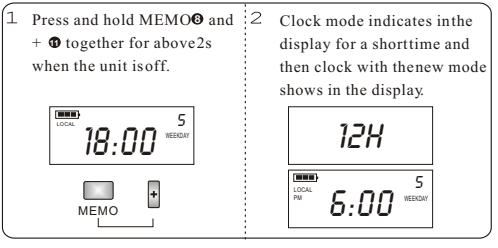
1 Press and hold STORE / TIME ❾ for 2s into Clock Set mode when unit is off, ":" in the clock indicator stops flashing.

2 Press + ❿ to cyclically increase the hour and - ⓬ to cyclically increase the minute.

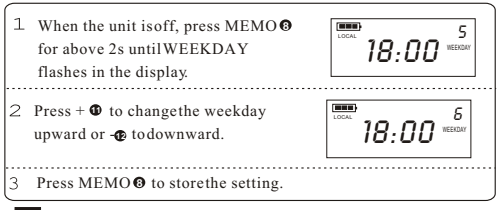
3 Press STORE / TIME ❾ to store the clock setting.

- Make sure to press STORE / TIME ❾ after clock setting, otherwise setting is failed.
- In step 2, hour or minute will step up continuously if you press and hold + ❿ or - ⓬ until you release the button.

2. 12H / 24H



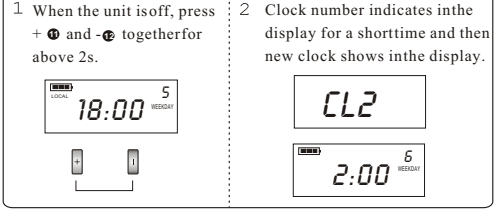
3. WEEKDAY


1 When the unit is off, press MEMO ❽ for above 2s until WEEKDAY flashes in the display.
LOCAL
18:00
5
WEEKDAY
2 Press + ❿ to change the weekday upward or - ⓬ to downward.
LOCAL
18:00
6
WEEKDAY
3 Press MEMO ❽ to store the setting.

Make sure to press MEMO ❽ after weekday setting, otherwise setting is failed.

4. DUAL CLOCK

You can preset dual clock - CL1 (local) and CL2 in the unit with independent clock and weekday.



Repeat the same procedure to change the clock to CL1 (Local).

CAUTIONS

On Handling

- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock.
- Should anything wrong with the radio, please remove the battery and have the unit checked by qualified personnel before operating it any further.
- When the unit is not being used for a long period of time, remove the batteries to avoid damage form battery leakage and corrosion.
- The LCD display may become hard to see or slow down when using the unit at high temperatures (above 40℃) or at low temperatures (below 0℃). At room temperature, the display will return to its normal operating condition.
- The product may not operate normally, when the ESD (8kv) applied on the metal coated buttons. It is necessary to reset manually.

Notes On Headphones

- Avoid using earphones at high volume, if you experience a ringing in your ears, reduce volume or discontinue use.
- Shut down the radio before sleeping.
- Do not use earphones while driving or cycling, it can also be potentially dangerous to play your earphones at high volume while walking, especially at pedestrian crossing.

SPECIFICATIONS

1. Frequency Range		
FM		87.0 - 108.0 MHz
MW		531 - 1602 KHz
2. Noise Limit Sensitivity		
FM	⩽	10μV
MW	⩽	1.5mv/m
3. Memory Stations (30)		
FM		20 (0 - 19)
MW		10 (0 - 9)
4. Bass Boost (100Hz)	⩾	9dB
5. Power Supply:		2 AAA Batteries
6. External Earphone:		D 3.5mm
7. Dimensions:	Approx.	45× 83×19 mm
8. Mass:	Approx.	45 g(excl. Battery)